

From: FLYNN, THIEL, BOUTELL & TANIS, P.C. - VIA FACSIMILE  
2026 Rambling Road TOTAL PAGES 12  
Kalamazoo, Michigan 49008-1631 U.S.A.  
Telephone 269-381-1156  
Facsimile 269-381-5465

Date: November 28, 2005

To: UNITED STATES PATENT AND TRADEMARK OFFICE  
Attention: Examiner Scott Kastler  
Group 1742

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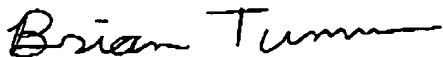
FACSIMILE NO. - 571-273-8300

Re: Applicant : Hilmar R. MUELLER, et al.  
For : MONITORING DEVICE FOR MELTING FURNACES  
Serial No.: 10/642 388  
Filed : August 15, 2003  
Our Ref. : WW C-60

Kindly notify Examiner Kastler as soon as this document has been received for purposes of letting him know that this document is available for his consideration.

Thank you.

Regards,



Brian R. Tumm

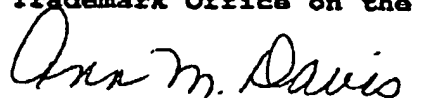
BRT/ad

Encl.: Amendment Transmittal dated  
November 28, 2005 (in duplicate)  
Response to Final Office Action dated  
November 28, 2005

## CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper and the above-listed enclosures (if any) is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Signature

  
(Ann M. Davis)

Date

Nov. 28, 2005

(00022781.DOC)

**RESPONSE UNDER 37 CFR 1.116 EXPEDITED PROCEDURE  
IN THE U.S. PATENT AND TRADEMARK OFFICE**

November 28, 2005

Applicant(s): Hilmar R. MUELLER, et al.

Title: MONITORING DEVICE FOR MELTING FURNACES

Serial No.: 10/642 388

Group: 1742

Confirmation No.: 9481

Filed: August 15, 2003

Examiner: Kastler

International Application No.: N/A

International Filing Date: N/A

Atty. Docket No.: WW C-60

Mail Stop AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Herewith is an amendment in the above-identified application.

[] Applicant claims small entity status. See 37 CFR 1.27.

[] The additional filing fee has been calculated as shown below:

| For                          | No.<br>Filed  | No.<br>Extra | (X)<br>LG Entity | RATE     | ( )<br>SM Entity | Fee      |
|------------------------------|---------------|--------------|------------------|----------|------------------|----------|
| Total Claims                 | (19 - 20 = 0) |              | x                | \$ 50.00 | x \$ 25.00       | 0.00     |
| Indep. Claims                | (2 - 3 = 0)   |              | x                | \$200.00 | x \$100.00       | 0.00     |
| [ ] Multiple Dep. Claim      |               |              | +                | \$360.00 | +                | \$180.00 |
| * * * TOTAL FILING FEE * * * |               |              |                  |          |                  | \$ 0.00  |

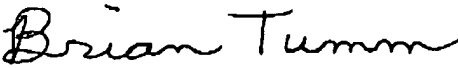
[] Pursuant to 37 CFR 1.136(a), please extend the shortened period for response by month(s). The extension fee is: \$.

[] A Check for \$ is enclosed to cover fees.

[X] Please credit any overpayment, or charge any additional filing fee required under 37 CFR 1.16 or 1.17 by this communication, to Deposit Account No. 06-1382. A duplicate copy of this sheet is enclosed.

IN DUPLICATE

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\_\_\_\_\_  
Brian R. Tumm Reg. No. 36 328

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**RESPONSE TO FINAL OFFICE ACTION**

Sir:

In response to the Office Action mailed September 21,  
2005, Applicants amend as follows:

(Please see following pages.)

{00022717.DOC}